



PATENT

1632
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of: Jim McWhir, *et al.*

Serial No.: 09/995,419

Filing Date: November 26, 2001

Attorney Docket: 096/004

For: SELECTIVE ANTIBODY TARGETING OF
UNDIFFERENTIATED STEM CELLS

Art Unit: 1632

Examiner: Joseph T. Voitach

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Arlington, VA 22313-1450

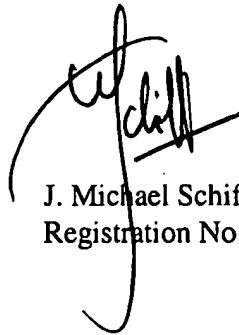
Dear Sir:

The information listed in the accompanying form PTO-1449 and provided herewith may be material to examination of this application and is submitted in compliance with the duty of disclosure under 37 CFR § 1.56. The Examiner is requested to make this information of record in the application.

This Information Disclosure Statement is not to be construed as a representation that a full search for relevant information has been made, that all relevant information has been found, or that the information provided with this Statement is considered to be material to patentability of the claimed invention as defined under 37 CFR § 1.56(b).

Authorization to charge Deposit Account 07/1139 with the fee therefore under 37 CFR § 1.117(p) is provided in the accompanying fee transmittal. Should any other fee be required for further consideration of the application, the Commissioner is hereby authorized to charge said fees (or credit any overpayment) to the Deposit Account, referencing the attorney Docket Number indicated above.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "J. Michael Schiff", written over a horizontal line.

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Sept 23, 2004

Form 1449 (modified)	Docket: 096/004	U.S.S.N.: 09/995,419
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Title: Selective Antibody Targeting of Undifferentiated Stem Cells	
(Use Several Sheets if Necessary)	Inventors: Jim McWhir, et al.	Filing Date: November 26, 2001
	Group: 1632	

U.S. PATENT DOCUMENTS

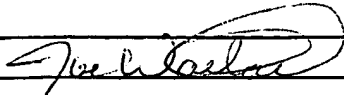
Examiner Initial	Ref.	Document No.	Filing Date	Publication Date	Class/ Subclass	Inventors	Title
none							

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

Examiner Initial	Ref.	Document No.	Publication Date	Jurisdiction	Title	Translation
gw	BA	WO 99/45100	Sep 10/99	PCT	Embryonic or Stem-Like Cell Lines Produced by Cross-Species Nuclear Transplantation	N/A
	BB	WO 00/46355	Aug 10/00	PCT	Telomerase Reverse Transcriptase Regulatory Sequences	N/A
	BC	WO 01/11011	Feb 15/01	PCT	Multipotent Adult Stem Cells and Methods for Isolation	N/A
	BD	WO 01/88104	Nov 22/01	PCT	Neural Progenitor Cell Populations	N/A

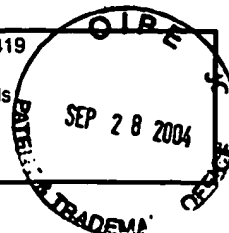
OTHER DOCUMENTS

Examiner Initial	Ref.	Author, Title, Source, Date
gw	BE	Bradley JA et al, Stem Cell Medicine Encounters the Immune System, Immunology 2:859 (2002)
	BF	Clausen H et al, Carbohydrates of the Cell Surface: Molecular Aspects of Glycosyltransferases and Their Genes, APMIS (Suppl 27) 100:9 (1992)
	BG	Gorelik E et al, On the Role of Cell Surface Carbohydrates and Their Binding Proteins (Lectins) in Tumor Metastasis, Cancer & Metastasis Rev 20:245 (2001)
	BH	Thiem J, Substrate Specificity and Synthetic Use of Glycosyltransferases, Ernst Schering Res Found Workshop 44:75 (2004)

Examiner 	Date Considered 12/18/04
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Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
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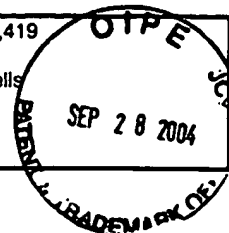
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OTHER DOCUMENTS

Examiner Initial	Ref.	Author, Title, Source, Date
SW	CA	Abuljadayel IS, Induction of Stem Cell-Like Plasticity in Mononuclear Cells Derived from Unmobilised Adult Human Peripheral Blood, Curr Med Res Opin 19(5):355 (2003)
	CB	D'ippolito G et al, Marrow-Isolated Adult Multilineage Inducible (MIAMI) Cells, a Unique Population of Postnatal Young and Old Human Cells with Extensive Expansion and Differentiation Potential, J Cell Science 117:2971 (2004)
	CC	Dyce PW et al, Stem Cells with Multilineage Potential Derived from Porcine Skin, Biochem Biophys Res Comm 316:651 (2004)
	CD	Forsyth NR et al, Telomerase and Differentiation in Multicellular Organisms: Turn it Off, Turn it On, and Turn it Off Again, Differentiation 69:188 (2002)
	CE	Gammaitoni L et al, Elevated Telomerase Activity and Minimal Telomere Loss in Cord Blood Long-Term Cultures with Extensive Stem Cell Replication, Blood 103(12):4440 (2004)
	CF	Goolsby J et al, Hematopoietic Progenitors Express Neural Genes, PNAS 100(25):14926 (2003)
	CG	Hashimoto N et al, Bone Marrow-Derived Progenitor Cells in Pulmonary Fibrosis, J Clin Invest 113(2):243 (2004)
	CH	Hodes RJ et al, Telomeres in T and B Cells, Nat Rev 2:699 (2002)
	CI	Mattson MP et al, Assessing the Involvement of Telomerase in Stem Cell Biology, Methods Molecular Biol 198:125 (2002)
	CJ	Moore JE et al, The Corneal Epithelial Stem Cell, DNA Cell Biol 21 (5/6):443 (2002)
	CK	Murasawa S et al, Constitutive Human Telomerase Reverse Transcriptase Expression Enhances Regenerative Properties of Endothelial Progenitor Cells, Circulation 106:1133 (2002)
	CL	Oh H et al, Cardiac Muscle Plasticity in Adult and Embryo by Heart-Derived Progenitor Cells, Ann NY Acad Sci 1015:182 (2004)
	CM	Parsch D et al, Telomere Length and Telomerase Activity During Expansion and Differentiation of Human Mesenchymal Stem Cells and Chondrocytes, J Molecular Med, 82(1):49 (2004)
	CN	Planz B et al, Studies on the Differentiation Pathway and Growth Characteristics of Epithelial Culture Cells of the Human Prostate, Prostate Cancer Prostatic Dis 7:73 (2004)
	CO	Pochampally RR et al, Serum Deprivation of Human Marrow Stromal Cells (hMSCs) Selects for a Subpopulation of Early Progenitor Cells with Enhanced Expression of OCT-4 and Other Embryonic Genes, Blood 103(5):1647 (2004)
	CP	Prowse KR, Detection of Telomerase Activity in Neural Cells, Methods Molecular Biol 198:137 (2002)
Examiner	Date Considered 12/18/04	

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20	CQ	Reim G et al, The POU Domain Protein Spg (Pou2/Oct4) is Essential for Endoderm Formation in Cooperation with the HMG Domain Protein Casanova, Dev Cell 6:91 (2004)
	CR	Rubin H, Promise and Problems in Relating Cellular Senescence in Vitro to Aging in Vivo, Archives Gerontology Geriatrics 34:275 (2002)
	CS	Seruya M et al, Clonal Population of Adult Stem Cells: Life Span and Differentiation Potential, Cell Transpl 13:93 (2004)
	CT	Swynghedauw B, Are Adult Cardiocytes Still Able to Proliferate?, Archives des Maladies du Coeur et des Vaisseaux 96(12):1225 (2003) (French)
	CU	Szyper-Kravitz M et al, Granulocyte Colony-Stimulating Factor Administration Upregulates Telomerase Activity in CD34+ Haematopoietic Cells and May Prevent Telomere Attrition After Chemotherapy, Brit J Haematology 120:329 (2003)
	CV	Tabilio A et al, Expression of SSEA-I Antigen (3-fucosyl-N-acetyl-lactosamine) on Normal and Leukaemic Human Haemopoietic Cells: Modulation by Neuraminidase Treatment, Brit J Haematology 58:697 (1984)
	CW	Tang DG et al, Lack of Replicative Senescence in Cultured Rat Oligodendrocyte Precursor Cells, Science 291:868 (2001)
	CX	Tsai MS et al, Isolation of Human Multipotent Mesenchymal Stem Cells from Second-Trimester Amniotic Fluid Using a Novel Two-Stage Culture Protocol, Human Reprod 19(6):1450 (2004)
	CY	Villa A et al, Long-Term Molecular and Cellular Stability of Human Neural Stem Cell Lines, Exper Cell Res 294:559 (2004)
	CZ	Yui J et al, Telomerase Activity in Candidate Stem Cells from Fetal Liver and Adult Bone Marrow, Blood 91(9):3255 (1998)

Examiner	<i>Joe Whitaker</i>	Date Considered	<i>12/18/04</i>

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